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Datasheet for ABIN7519994 FGF10 Protein

Overview

Quantity:	10 µg
Target:	FGF10
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human FGF-10 Protein
Sequence:	QALGQDMVSP EATNSSSSSF SSPSSAGRHV RSYNHLQGDV RWRKLFSFTK YFLKIEKNGK VSGTKKENCP YSILEITSVE IGVVAVKAIN SNYYLAMNKK GKLYGSKEFN NDCKLKERIE ENGYNTYASF NWQHNGRQMY VALNGKGAPR RGQKTRRKNT SAHFLPMVVH S
Specificity:	Gln38-Ser208
Purity:	> 98 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.005 EU/µg of the protein by LAL method.

Target Details

Target:	FGF10
Alternative Name:	FGF-10 (FGF10 Products)
Background:	Description: This protein is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of

Target Details

biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein exhibits mitogenic activity for keratinizing epidermal cells, but essentially no activity for fibroblasts, which is similar to the biological activity of FGF7. Studies of the mouse homolog of suggested that this gene is required for embryonic epidermal morphogenesis including brain development, lung morphogenesis, and initiation of limb bud formation. This gene is also implicated to be a primary factor in the process of wound healing.

Name: FGF10

Gene ID:	2255
UniProt:	O15520
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Stem Cell Maintenance , Tube Formation , Positive Regulation of Response to DNA Damage Stimulus

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Concentration:	1.47 mg/mL
Buffer:	Lyophilized from a 0.22 µm filtered solution 20 mM Tris, pH 7.5.
Storage:	-20 °C, -80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.